



SEQUENCE LISTING

<110> MIYAJI, Hiromasa
MIMURA, Hideki
HARUOKA, Motoko
NAKAGAWA, Satoshi

<120> NOVEL POLYPEPTIDE

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<140> US 09/763,793

<141> 2001-02-27

<150> JP H10-241248

<151> 1998-08-27

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<170> PatentIn Ver. 2.0

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<212> PRT

<213> Homo sapiens

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35 40 45
Arg Phe Cys Gly Thr Tyr Ile Ile Phe Phe Ser Leu Gly Ile Gly Ser
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Leu Leu Pro Trp Asn Phe Phe Ile Thr Ala Lys Glu Tyr Trp Met Phe
65 70 75 80
Lys Leu Arg Asn Ser Ser Ser Pro Ala Thr Gly Glu Asp Pro Glu Gly
85 90 95
Ser Asp Ile Leu Asn Tyr Phe Glu Ser Tyr Leu Ala Val Ala Ser Thr
100 105 110
Val Pro Ser Met Leu Cys Leu Val Ala Asn Phe Leu Leu Val Asn Arg
115 120 125
Val Ala Val His Ile Arg Val Leu Ala Ser Leu Thr Val Ile Leu Ala
130 135 140
Ile Phe Met Val Ile Thr Ala Leu Val Lys Val Asp Thr Phe Ser Trp
145 150 155 160
Thr Arg Gly Phe Phe Ala Val Thr Ile Val Cys Met Val Ile Leu Ser

165																170						175					
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Phe	Pro	Met 195	Arg	Asn	Ser	Gln	Ala 200	Leu	Ile	Ser	Gly	Gly 205	Ala	Met	Gly												
Gly	Thr 210	Val	Ser	Ala	Val	Ala 215	Ser	Leu	Val	Asp	Leu 220	Ala	Ala	Ser	Ser												
Asp 225	Val	Arg	Asn	Ser	Ala 230	Leu	Ala	Phe	Phe	Leu 235	Thr	Ala	Thr	Ile	Phe 240												
Leu	Val	Leu	Cys	Met 245	Gly	Leu	Tyr	Leu	Leu 250	Leu	Ser	Arg	Leu	Glu 255	Tyr												
Ala	Arg	Tyr	Tyr 260	Met	Arg	Pro	Val	Leu 265	Ala	Ala	His	Val	Phe 270	Ser	Gly												
Glu	Glu	Glu 275	Leu	Pro	Gln	Asp	Ser 280	Leu	Ser	Ala	Pro	Ser 285	Val	Ala	Ser												
Arg	Phe 290	Ile	Asp	Ser	His	Thr 295	Pro	Pro	Leu	Arg	Pro 300	Ile	Leu	Lys	Lys												
Thr 305	Ala	Ser	Leu	Gly	Phe 310	Cys	Val	Thr	Tyr	Val 315	Phe	Phe	Ile	Thr	Ser 320												
Leu	Ile	Tyr	Pro	Ala 325	Val	Cys	Thr	Asn	Ile 330	Glu	Ser	Leu	Asn	Lys 335	Gly												
Ser	Gly	Ser	Leu 340	Trp	Thr	Thr	Lys	Phe 345	Phe	Ile	Pro	Leu	Thr 350	Thr	Phe												
Leu	Leu	Tyr 355	Asn	Phe	Ala	Asp	Leu 360	Cys	Gly	Arg	Gln	Leu 365	Thr	Ala	Trp												
Ile	Gln 370	Val	Pro	Gly	Pro	Asn 375	Ser	Lys	Ala	Leu	Pro 380	Gly	Phe	Val	Leu												
Leu 385	Arg	Thr	Cys	Leu	Ile 390	Pro	Leu	Phe	Val	Leu 395	Cys	Asn	Tyr	Gln	Pro 400												
Arg	Val	His	Leu	Lys 405	Thr	Val	Val	Phe	Gln 410	Ser	Asp	Val	Tyr	Pro 415	Ala												
Leu	Leu	Ser	Ser 420	Leu	Leu	Gly	Leu	Ser 425	Asn	Gly	Tyr	Leu	Ser 430	Thr	Leu												
Ala	Leu	Leu 435	Tyr	Gly	Pro	Lys	Ile 440	Val	Pro	Arg	Glu	Leu 445	Ala	Glu	Ala												
Thr	Gly 450	Val	Val	Met	Ser	Phe 455	Tyr	Val	Cys	Leu	Gly 460	Leu	Thr	Leu	Gly												
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His Ser Ser Asn Ser Thr Tyr Gly Thr Thr Ser Ser Ser Leu Arg Ala
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gac cag gag gca ctg ctt gag aag ctg ctg gac cgc ccg ccc cct ggc 149
Asp Gln Glu Ala Leu Leu Glu Lys Leu Leu Asp Arg Pro Pro Pro Gly
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ctg cag agg ccc gag gac cgc ttc tgt ggc aca tac atc atc ttc ttc 197
Leu Gln Arg Pro Glu Asp Arg Phe Cys Gly Thr Tyr Ile Ile Phe Phe
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Gly Glu Asp Pro Glu Gly Ser Asp Ile Leu Asn Tyr Phe Glu Ser Tyr
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Leu Ala Val Ala Ser Thr Val Pro Ser Met Leu Cys Leu Val Ala Asn
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Phe Leu Leu Val Asn Arg Val Ala Val His Ile Arg Val Leu Ala Ser
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Val Asp Thr Phe Ser Trp Thr Arg Gly Phe Phe Ala Val Thr Ile Val
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tgc atg gtg atc ctc agc ggt gcc tcc act gtc ttc agc agc agc atc 581
Cys Met Val Ile Leu Ser Gly Ala Ser Thr Val Phe Ser Ser Ser Ile
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Leu Gly Leu Thr Leu Gly Ser Ala Cys Ser Thr Leu Leu Val His Leu			
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atc tag aagggaggac acaaggacat tgggtgcttca gagcctttga agatgagaag			1501
Ile			
475			
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aagcaaatgc tcagctctcc ttacctgaa ggggtctccc tggaatggaa gtccoctggc			1921
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caactgccca ctaaccagac tggaaaaccc agaaagatgg gccttccatg aatgcttcat			2041
tccagagggga ccagaggggc tcctgtgca agggatcaag catgtctggc ctgggttttc			2101
aaaaaaagag ggatcctcat gacctggtgg tctatggcct gggtaagat gagggctttt			2161
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35 40 45

Arg Phe Asn Gly Ala Tyr Ile Ile Phe Phe Cys Leu Gly Ile Gly Gly
50 55 60

Leu Leu Pro Trp Asn Phe Phe Val Thr Ala Lys Glu Tyr Trp Ala Phe
65 70 75 80

Lys Leu Arg Asn Cys Ser Ser Pro Ala Ser Gly Lys Asp Pro Glu Asp
85 90 95

Ala Asp Ile Leu Asn Tyr Phe Glu Ser Tyr Leu Ala Val Ala Ser Thr
100 105 110

Val Pro Ser Leu Leu Phe Leu Val Ala Asn Phe Leu Leu Val Asn Arg
115 120 125

Ile Arg Val His Val Arg Val Leu Ala Ser Leu Ser Val Ser Leu Ala
130 135 140

Ile Phe Val Val Met Ala Val Leu Val Arg Val Asp Thr Ser Ser Trp
145 150 155 160

Thr Arg Gly Phe Phe Ser Ile Ala Met Ala Cys Met Ala Ile Ile Ser
165 170 175

Ser Ser Ser Thr Ile Phe Asn Ser Ser Val Tyr Gly Leu Thr Gly Ser
180 185 190

Phe Pro Met Arg Asn Ala Gln Ala Leu Ile Ser Gly Gly Ala Met Gly
 195 200 205

Gly Thr Val Ser Ala Val Ala Ser Leu Val Asp Leu Ala Ala Ser Ser
 210 215 220

Asp Val Arg Asp Ser Ala Leu Ala Phe Phe Leu Thr Ala Ala Val Phe
 225 230 235 240

Leu Gly Leu Cys Val Gly Leu Tyr Leu Leu Leu Pro Gln Leu Glu Tyr
 245 250 255

Ala Arg Tyr Tyr Met Arg Pro Val Val Pro Ile His Val Phe Ser Ser
 260 265 270

Glu Asp Ser Pro Pro Arg Asp Ala Pro Ser Thr Ser Ser Val Ala Pro
 275 280 285

Ala Ser Arg Ala Val His Thr Pro Pro Leu Gly Pro Ile Leu Lys Lys
 290 295 300

Thr Ala Gly Leu Gly Phe Cys Ala Val Phe Leu Tyr Phe Ile Thr Ala
 305 310 315 320

Leu Ile Phe Pro Ala Ile Ser Thr Asn Ile Gln Pro Met His Lys Gly
 325 330 335

Thr Gly Ser Pro Trp Thr Ser Lys Phe Tyr Val Pro Leu Thr Val Phe
 340 345 350

Leu Leu Phe Asn Phe Ala Asp Leu Cys Gly Arg Gln Val Thr Ala Trp
 355 360 365

Ile Gln Val Pro Gly Pro Arg Ser Lys Leu Leu Pro Ile Leu Ala Val
 370 375 380

Ser Arg Val Cys Leu Val Pro Leu Phe Leu Leu Cys Asn Tyr Gln Pro
 385 390 395 400

Arg Ser His Leu Thr Leu Val Leu Phe Gln Ser Asp Ile Tyr Pro Ile
 405 410 415

Leu Phe Thr Cys Leu Leu Gly Leu Ser Asn Gly Tyr Leu Ser Thr Leu
 420 425 430

Val Leu Met Tyr Gly Pro Lys Ile Val Pro Arg Glu Leu Ala Glu Ala
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Thr Ser Val Val Met Leu Phe Tyr Met Ser Leu Gly Leu Met Leu Gly
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Ser Ala Cys Ala Ala Leu Leu Glu His Phe Ile
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 <222> (12)..(1436)
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 Asn Ala Val Tyr Arg Val Pro Ser Asn Arg His Glu Ala Asp Gln Glu
 15 20 25

gcc cta ctg gga aaa cca cta gac tac cca gcc cca ggc ctg cag agg 146
 Ala Leu Leu Gly Lys Pro Leu Asp Tyr Pro Ala Pro Gly Leu Gln Arg
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 Pro Glu Asp Arg Phe Asn Gly Ala Tyr Ile Ile Phe Phe Cys Leu Gly
 50 55 60

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 Ile Gly Gly Leu Leu Pro Trp Asn Phe Phe Val Thr Ala Lys Glu Tyr
 65 70 75

tgg gca ttt aaa ctc cga aac tgc tcc agc cca gcc tcc ggg aag gac 290
 Trp Ala Phe Lys Leu Arg Asn Cys Ser Ser Pro Ala Ser Gly Lys Asp
 80 85 90

cca gag gat gca gac atc ctg aac tac ttt gag agc tac ctg gcg gtt 338
 Pro Glu Asp Ala Asp Ile Leu Asn Tyr Phe Glu Ser Tyr Leu Ala Val
 95 100 105

gct tcc act gtg cct tcc ctg ctg ttt ctg gtg gct aac ttc ctg ctt 386
 Ala Ser Thr Val Pro Ser Leu Leu Phe Leu Val Ala Asn Phe Leu Leu
 110 115 120 125

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 Val Asn Arg Ile Arg Val His Val Arg Val Leu Ala Ser Leu Ser Val

130										135					140					
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Ser	Leu	Ala	Ile	Phe	Val	Val	Met	Ala	Val	Leu	Val	Arg	Val	Asp	Thr					
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Ser	Ser	Trp	Thr	Arg	Gly	Phe	Phe	Ser	Ile	Ala	Met	Ala	Cys	Met	Ala					
160				165				170												
atc	atc	agc	agc	tcc	tcc	acc	atc	ttc	aat	agc	agc	gtg	tat	ggc	ctg	578				
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175				180				185												
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225				230				235												
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Leu	Glu	Tyr	Ala	Arg	Tyr	Tyr	Met	Arg	Pro	Val	Val	Pro	Ile	His	Val					
255				260				265												
ttt	tct	agt	gaa	gac	agc	cca	ccc	cgg	gat	gct	ccc	agc	acc	tcc	tcc	866				
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270				275				280				285								
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290				295				300												
ctg	aag	aag	aca	gct	ggc	ctg	ggg	ttc	tgc	gcc	gtt	ttc	ctc	tac	ttc	962				
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305				310				315												
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Tyr Gln Pro Arg Ser His Leu Thr Leu Val Leu Phe Gln Ser Asp Ile			
400	405	410	
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Tyr Pro Ile Leu Phe Thr Cys Leu Leu Gly Leu Ser Asn Gly Tyr Leu			
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Ala Glu Ala Thr Ser Val Val Met Leu Phe Tyr Met Ser Leu Gly Leu			
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Met Leu Gly Ser Ala Cys Ala Ala Leu Leu Glu His Phe Ile			
465	470	475	
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